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## Abstract

The invention relates to a method for producing a printable paste which is free from water and binder agents, containing carbon and electrolyte or only carbon, in particular in the form of an electrode material for a counter electrode containing an electrolyte, for a photoelectrochemical cell. The method consists of the following steps:

- preparing a solvent containing electrolytic salts and an electrolytic auxiliary;
- adding carbon black, e. g. with a large surface and/or a conductive carbon black;
- adding graphite, e. g. with a very weak resistance, so as to produce a suspension;
- stirring the solvent containing the carbon black and the carbon to produce a substantially homogeneous suspension;
- treating the homogenized suspension with ultrasound to produce a thick, printable paste.